

Title (en)  
AIR SPRING ASSEMBLY

Title (de)  
LUFTFEDERANORDNUNG

Title (fr)  
ENSEMBLE RESSORT PNEUMATIQUE

Publication  
**EP 4400399 A1 20240717 (EN)**

Application  
**EP 23216456 A 20231213**

Priority  

- US 202263432324 P 20221213
- US 202263432338 P 20221213
- US 202318537635 A 20231212

Abstract (en)  
A piston assembly (300) comprising:a piston (305);at least one first compliant member (315);a seal (302) configured to provide an air tight seal between said piston (305) and a wall of an air chamber; anda fastener (325) configured to couple said piston (305) with a shaft (110).

IPC 8 full level  
**B62K 25/08** (2006.01); **F16F 9/02** (2006.01); **F16F 9/32** (2006.01)

CPC (source: EP US)  
**F16F 9/0218** (2013.01 - EP); **F16F 9/0227** (2013.01 - EP US); **F16F 9/0281** (2013.01 - US); **F16F 9/3228** (2013.01 - EP); **B62K 25/08** (2013.01 - EP US); **F16F 2224/025** (2013.01 - US); **F16F 2224/0291** (2013.01 - US); **F16F 2230/0052** (2013.01 - US); **F16F 2230/30** (2013.01 - US)

Citation (applicant)  

- US 7484603 B2 20090203 - FOX ROBERT C [US]
- US 8838335 B2 20140916 - GALASSO MARIO [US], et al
- US 8955653 B2 20150217 - MARKING JOHN [US]
- US 9303712 B2 20160405 - COX CHRISTOPHER PAUL [US]
- US 10036443 B2 20180731 - GALASSO MARIO [US], et al
- US 10060499 B2 20180828 - ERICKSEN EVERET OWEN [US], et al
- US 10443671 B2 20191015 - MARKING JOHN [US]
- US 10737546 B2 20200811 - TONG IVAN [US]

Citation (search report)  

- [XA] US 9132881 B2 20150915 - KWATERSKI EDWARD C [US]
- [XAYI] EP 0148976 A1 19850724 - RHEINMETALL GMBH [DE]
- [YA] KR 20090111698 A 20091027 - KMCS CO LTD [KR]
- [A] FR 1053740 A 19540204
- [A] JP S5884240 A 19830520 - TAIHO KOGYO CO LTD
- [A] DE 202012007344 U1 20121112 - BORDIGNON ALBERTO [IT], et al
- [A] US 6390258 B1 20020521 - HOFMANN RANDALL L [US], et al

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4400399 A1 20240717**; TW 202432393 A 20240816; US 2024229889 A1 20240711

DOCDB simple family (application)  
**EP 23216456 A 20231213**; TW 112148562 A 20231213; US 202318537635 A 20231212